



Linux on Alpha

You've imagined high-performance Alpha Linux Solutions. *Now build them.*



You know that the combination of Alpha and Linux offers unbeatable raw performance for the Web server, software development, HPTC and database solutions your customers want. But up to now the high cost of building Alpha systems, and the small number of available Alpha Linux resources, has kept you from bringing these solutions to market.

Alpha Processor Inc. (API) is changing all this — forever. Our innovative technologies enable you, for the first time, to offer benchmark-shattering Alpha systems at truly competitive prices. And as a result of our partnerships with leading Linux distributors and solution providers, you'll find more Alpha Linux resources for your target markets than ever before.

Discover a whole new kind of Alpha price/performance. API's revolutionary Alpha Slot B technology, the first-ever slot technology for Alpha, brings x86-style modularity, openness, and economies of scale to Alpha-based system design. Alpha Slot B is available today in API's next generation motherboards, including the multi-processor UP2000 and uni-

processor UP1000. The UP2000 is one of the highest ranked systems ever tested on the SPECcpu95 benchmark suite. Running two Alpha 21264 processors at 750MHz or faster, the UP2000 offers an unmatched price/performance solution, outperforming systems costing ten times as much. The UP1000 offers an ideal uni-based Alpha solution for software developers.

Choose from a growing number of premium Linux solutions. We've been working closely with Linux industry leaders to steadily grow the availability of Alpha Linux products and resources you can use in your own custom solutions for volume markets. For example:

- In the Web server market — where 78 of the world's 100 busiest Web sites run on Alpha servers — we've partnered with TurboLinux and Atipa to help develop the first high-availability Linux clustering solution running on Alpha. We also recognize the efforts of the Apache Software Foundation in creating a robust, commercial-grade, freely available Linux Web server.
- The Alpha Processor has been an important ingredient in the Avalon, DeepFlow and Cplant Clustering Projects. These are high performance technical computing solutions that benefit significantly from Alpha's 64-bit computing power.
- API is partnering with Linux software development tool providers, such as Cygnus Solutions, who prefer Alpha performance for optimizing compilation, debugging, and run-time solutions. In addition, Xi Graphics and Metro Link allow application developers to build 2D & 3D programs on Alpha Linux.
- We're working with database providers such as T.c.X DataKonsultAB and ALTERA, LTD. to help them bring the full benefits of Alpha's speed and Linux availability to mission-critical database applications.

Get to work. There has never been a better time — or a more profitable time — to bring Alpha Linux solutions to market. Check the listings on the reverse to find which of our Linux partners can help you build a new class of solutions for your customers.
And for more information on API's revolutionary Alpha technologies, visit our Web site at www.alpha-processor.com.

"For applications that demand floating point performance, the strengths of Alpha for Linux are clear. By partnering with API, we can guarantee that current and future versions of SuSE Linux will be available to customers demanding this raw performance and scalability."

— Marc Torres, President, SuSE

For More Information **Alpha Processor, Inc.**

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"TurboLinux is focused on delivering high performance Linux solutions. Partnering with API, TurboLinux is providing customers with innovative, high-performance alternatives for the Alpha architecture platform."

— Cliff Miller, CEO, TurboLinux, Inc.

Linux Solutions Partner List

Company	Website	Product	Solutions
Solutions Legend: I=Internet SD=Software Development Data=Database HPTC=High Performance Technical Computing			
Linux Distributions    			
Debian GNU/Linux	www.debian.org	Debian GNU/Linux for Alpha	I, SD, Data, HPTC
RedHat, Inc.	www.redhat.com	Red Hat Linux for Alpha	I, SD, Data, HPTC
SuSE, Inc.	www.suse.com	SuSE Linux for Alpha-AXP	I, SD, Data, HPTC
TurboLinux, Inc.	www.turbolinux.com	TurboLinux for Alpha	I, SD, Data, HPTC
		TurboLinux Cluster (High Availability)	I, Data, HPTC
Applications     			
T.c.X. DataKonsultAB	www.mysql.com	MySQL	I, Data
Altera, LTD	www.ovrimos.com	Ovrimos SQL SERVER	I, Data
Convalent Technologies, Inc.	www.convalent.net	Raven SSL Module	I
Xi Graphics, Inc.	www.xigraphics.com	Accelerated-X Display Server	SD
Metro Link, Inc.	www.metrolink.com	Metro OpenGL	SD
Tools 			
Cygnus Solutions, Inc.	www.cygwin.com	GNUPro® Toolkit	SD
Office Suites  			
Applix, Inc.	www.applix.com	Applixware for Linux	I, Data
The KDE Project	www.kde.org	KOffice	I, Data
Linux Projects using Alpha 			
The Apache Software Foundation	http://www.apache.org	Apache Server	I
Avalon*	http://cnls.lanl.gov/Internal/Computing/Avalon/	Beowulf Cluster	SD, HPTC
DeepFlow*	http://www.meca.ucl.ac.be/mema/	Beowulf Cluster	SD, HPTC
Cplant	http://www.cs.sandia.gov/cplant	High Performance Cluster	SD, HPTC

* For more information about Beowulf Clusters, reference the Beowulf Project at CEDIS

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